



APPENDIX B
MARKED-UP VERSION OF CLAIMS SHOWING AMENDMENTS

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1. (Amended) A[n] purified endonuclease enzyme which is secreted from [immune] a human B lymphoblastic IM9 cell line or a 12-tetradecanoylphorbol 13-acetate-treated U937 cell line and recognizes bacterial DNA as a foreign agent and processes [it] the DNA to produce about 10 bp single-stranded [oligonucleotide] oligonucleotides including a CpG motif which is involved in immune response.

3. (Twice Amended) The endonuclease enzyme according to claim 1, [having a molecular weight of approximately 72.4 kD by SDS-PAGE] which has the following physiochemical properties:

a) molecular weight: about 72.4 kD by SDS-PAGE;

b) divalent cation dependency: Mg^{2+} dependent; and

c) optimal pH: about 6.5 to 7.5.

6. (Amended) The endonuclease enzyme according to claim 1, wherein the mobility distance of the enzyme activity by native-PAGE is apparently distinct from that of [Dnase I] DNase I.